

C.4

MEMO TO: City Council

FROM: Rosemarie Ives, Mayor

DATE: February 15, 2005

SUBJECT: **APPROVAL OF SUPPLEMENTAL AGREEMENT NO. 2 FOR NE 83rd STREET IMPROVEMENTS (160th Avenue NE - 161st Avenue NE), PROJECT NO. 03-CI-06**

I. RECOMMENDED ACTION

Move to approve Supplemental Agreement No. 2 for additional final design services and construction administration for the NE 83rd Street Improvements, Project No. 03-CI-06, with KPG, Inc. in the amount of \$39,545, and authorize the Mayor to sign the agreement.

II. DEPARTMENT CONTACT PERSONS

David Rhodes, Director of Public Works	556-2705
Bill Campbell, City Engineer	556-2733
Don Cairns, Transportation Services Manager	556-2834
Ron Grant, Construction Engineering Manager	556-2742
Jeanne Koetje, Transportation Project Engineer	556-2887

III. DESCRIPTION

As mentioned in the October 15, 2004, staff report to Council, Supplemental Agreement No. 2 provides additional funds needed to complete final design of improvements along NE 83rd Street between 160th Avenue NE and 161st Avenue NE. In addition, the supplemental agreement provides funding for KPG to assist City staff with construction administration of the project.

Additional design funds are needed due to the expanded scope of work requested by the City for KPG to provide the following; design work requested by Water/Wastewater Engineering staff to upgrade the existing systems; design of the

southwestern portion of the block between 160th and 161st Avenues NE that was excluded from the previous final design scope; additional stormwater modeling; additional coordination with King County Metro at the park-and-ride area; and additional effort on urban design elements.

This project includes the following improvements:

- Aligns NE 83rd Street at 160th Avenue NE and adds curb bulbs on the northeast and south east corners.
- Creates angle-in parking along the north side of NE 83rd Street and a small pocket of parallel parking on the south side of NE 83rd Street from 160th to 161st Avenues NE.
- Aligns NE 83rd Street at 161st Avenue NE and adds curb bulbs and a traffic signal. The intersection will transition back to the existing road section in front of the skate park.
- Provides a temporary asphalt path to the existing bus shelter near the skate park.
- Provides additional street trees and vegetation at the intersections of 160th Avenue NE and 161st Avenue NE.
- Maintains mature trees where possible.
- Provides a wider sidewalk, generally 8-14 feet, allowing the sidewalk to vary in width to preserve trees and other existing features or to reduce the cost of right-of-way acquisition. Sidewalk construction in front of undeveloped properties is limited to 10-foot width.
- Implements water and sewer system improvements (not in the original scope of work) to correct non-standard installations in the vicinity of the 161st Avenue NE intersection.
- Overlay of 161st Avenue NE from NE 85th Street to Redmond Way.

Staff is completing property negotiations with owners adjacent to the project to acquire right-of-way and easements for the project improvements, and anticipate having all agreements in order by mid to late February. Recent discussions with various City departments revealed a conflict between the project construction timeline and the annual Derby Days parade. After consideration of alternatives, it was determined that the project should go to bid as scheduled, but that the start of construction will be delayed until after July 9, 2005. This will provide time for the contractor to order necessary signal equipment and accommodate the parade.

Improvements across undeveloped properties will consist of 10-foot sidewalks rather than full 14-foot sidewalks. The full width sidewalk will be completed when the properties develop. In addition, improvements to the SE corner of NE 83rd

Street/161st Avenue NE will be limited to allow for permanent improvements to be constructed as part of the proposed transit center and TOD work.

IV. IMPACT

A. Service/Delivery:

This project will result in completion of improvements along the NE 83rd Street corridor between 160th Avenue NE and 161st Avenue NE.

B. Fiscal:

Corridor Design Costs

KPG – Original Agreement	\$ 84,421
City Administration	<u>20,000</u>

Corridor Design Subtotal

\$ 104,421

Project Design & Construction

KPG – Supplemental Agreement No. 1	154,000
Supplemental Agreement No. 2	39,545
City Administration	40,000
Right-of-Way Acquisition	30,000
Estimated Construction Costs	1,380,000
Acquired Equipment	30,000
Construction Administration and Inspection	35,000
Contingency	<u>50,155</u>

Estimated Project Total

\$1,863,121

Funding:

Transportation CIP

NE 83rd Street	\$ 342,872
Downtown Improvements	463,249
Neighborhood Traffic Calming Program	49,000
2005 Overlay Program	120,000
Business Tax	750,000
Water/Wastewater CIP	<u>138,000</u>

Total Funding

\$1,863,121

The fiscal impacts shown above represent staff's adherence to Council's direction to not exceed \$1.5 million for the intersection project. This does not include funds spent on the corridor design or work added to the project by the Water/Wastewater Division and the Overlay Program.

V. ALTERNATIVES

Council could choose to not approve the agreement, however the construction of the project would be delayed.

VI. TIME CONSTRAINTS

The current schedule of the project is as follows:

- Complete property negotiation – February 2005
- Advertise construction – Spring 2005
- Begin construction – July 2005
- Substantially complete construction – late 2005

VII. LIST OF ATTACHMENTS

- A. Vicinity map
- B. Supplemental Agreement No. 2

s/s

David Rhodes, Director of Public Works

2/4/05

Date

Approved for Council Agenda

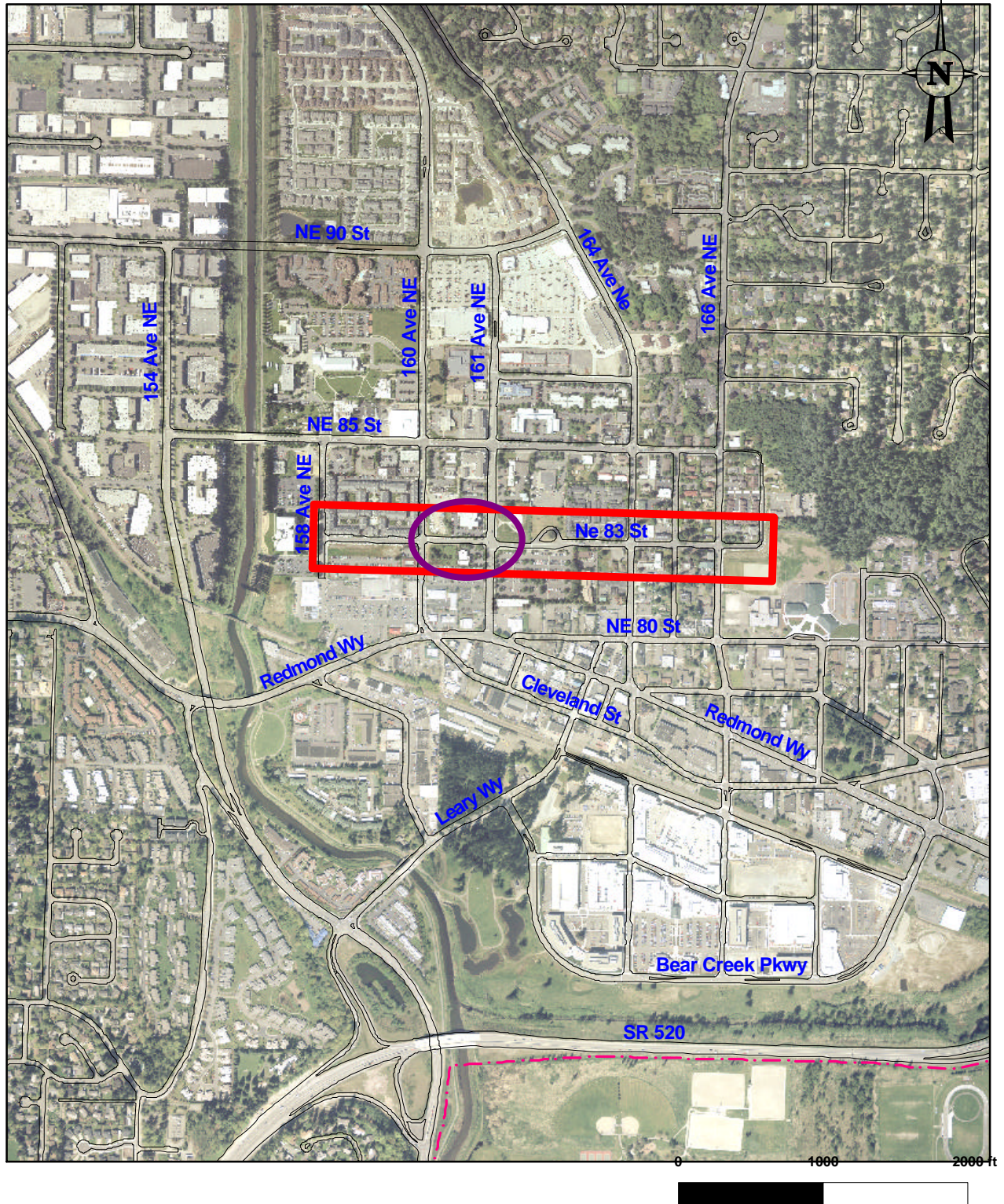
s/s

Rosemarie Ives, Mayor

2/5/05

Date

ATTACHMENT A



City of Redmond
Public Works
Transportation Division

January 2003

LEGEND

- NE 83RD CORRIDOR
- EDGE PAVEMENT
- CITY LIMITS
- AERIAL PHOTOS (1999)

Vicinity Map

NE 83rd Street Corridor Improvements

160TH AVE NE TO 161ST AVE NE

- PROJECT LIMITS

ATTACHMENT B

**NE 83rd St Improvements (160th Ave NE - 161st Ave NE)
Project No. 03-CI-06
SUPPLEMENTAL AGREEMENT NO. 2**

This SUPPLEMENTAL AGREEMENT, made and entered into this ____ day of _____, 20____ between the City of Redmond, Washington, hereinafter called the CITY, and KPG, Inc., hereinafter called the CONSULTANT, amends an earlier Agreement (AGREEMENT) dated May 8, 2003.

WHEREAS the CITY requires additional engineering services related to the above mentioned project, and pursuant to Section XIV (Extra Work) of the AGREEMENT;

NOW THEREFORE, it is mutually agreed that the terms, stipulations, and conditions of the original AGREEMENT shall be binding upon the parties hereto except insofar as amended by this SUPPLEMENTAL AGREEMENT as follows:

ITEM NO. 1: SCOPE OF WORK

Section II, SCOPE OF WORK of the AGREEMENT shall be amended by the additional tasks summarized in Exhibit A-1 attached hereto.

ITEM NO. 2: PAYMENT

Section V, PAYMENT, shall be supplemented to compensate the CONSULTANT for the items of extra work provided in connection with the work described in Exhibit A-1 attached hereto.

A breakdown of the CONSULTANT'S cost proposal is attached hereto as Exhibit C-2. By this reference the exhibit is made a part of this SUPPLEMENTAL AGREEMENT.

The "Maximum Amount Payable" involved on page 1 of the AGREEMENT is hereby modified to \$ 277,965.91.

Summarized below are the costs as listed in the original AGREEMENT and as modified by this SUPPLEMENTAL AGREEMENT.

Summary				
Description	Original Agreement	Supplement No. 1	Supplement No. 2	Total
Labor Cost	\$ 83,177.16	\$ 136,349.36	\$ 35,617.31	\$ 255,143.83
Reimbursables	\$ 1,243.75	\$ 3,650.64	\$ 332.69	\$ 5,227.08
Total	\$ 84,420.91	\$ 140,000.00	\$ 35,950.00	\$ 260,370.91
Contingency	\$ 0.00	\$ 14,000.00	\$ 3,595.00	\$ 17,595.00
Grand Total	\$ 84,420.91	\$ 154,000.00	\$ 39,545.00	\$ 277,965.91

ITEM NO. 3: COMPLETION DATE

The completion date on page 1 of the AGREEMENT shall be modified to December 31, 2005.

EXECUTION

IN WITNESS WHEREOF, the parties have executed this SUPPLEMENTAL AGREEMENT by having their representatives affix their signatures below.

KPG, Inc.

CITY OF REDMOND

By _____

By _____
Rosemarie Ives, Mayor

(Printed Name/Title)

Attested:

By _____
City Clerk

Approved as to Form:

By _____
City Attorney

EXHIBIT A-1
SCOPE OF WORK

Supplemental Agreement No. 2

City of Redmond
NE 83rd Street Improvements Project — (160th Ave NE to 161st Ave NE)
Project Number 03-CI-06

KPG, Inc
January 20, 2005

A. PROJECT DESCRIPTION/BACKGROUND

Project Description

A variety of additional tasks are required to complete the NE 83rd Street Improvement Project as detailed below:

Water

As part of the City's NE 83rd Street Improvements Project, the City of Redmond recognizes the opportunity to make improvements to the water system on and adjacent to NE 83rd Street, including the following:

- Abandoning a portion of the existing water main.
- Abandoning five existing fire hydrants and installing five new fire hydrants: three on NE 83rd Street and two on 161st Ave NE.
- Miscellaneous other minor water main, water meter, and water service improvements.

SE Corner of NE 83rd Street and 160th Avenue NE

The original scope of work stated that the southeast corner of 160th Avenue NE and NE 83rd Street intersection would not be included in the design. The limits of the original design have subsequently been revised to include this parcel.

Miscellaneous Additional Work

Initially, the Technical Information Report prepared for the NE 83rd Street Corridor Study was thought to be adequate for the improvements between 160th and 161st Avenues NE. During the design phase it was determined that additional drainage calculations were required.

Additional coordination with King County Metro was necessary to design the NE 83rd Street/ 161st Avenue NE intersection.

Urban design features such as scoring patterns, paver versus concrete edging, crosswalk detailing required additional services.

Construction Support Services

The Public Works Department will be responsible for Construction Administration, including inspection services. The Consultant will provide support through weekly construction progress meeting attendance and response to construction questions.

B. ASSUMPTIONS

The following assumptions guided the development of the scope of work and provide direction to the design of the intersection improvements.

- The plans, specifications and construction cost estimate for the improvements to the water system will be included with the plans, specifications and construction cost estimate of the NE 83rd Street Improvements (from 160th Avenue NE to 161st Avenue NE). The water system improvements will be bid at the same time. Therefore, a separate bid package for water system improvements will not be required.
- The water system improvements will be included in a separate bid schedule.
- Existing base mapping will be adequate for final design.
- The project will include curb, gutter, sidewalk, landscaping, irrigation, and urban design features at the Redmond Court development site.
- The Public Works Department will coordinate with the Redmond Court Developer and provide direction on the limits of design and construction.
- The Public Works Department will lead the Construction Administration phase of the project. The Consultant will provide assistance.

C. DELIVERABLES

Additional drawings will be included in the 30%, 60%, 90% 100% check set and 100% final set included in Supplemental Agreement No. 1.

The cost estimate as defined in Supplemental Agreement No. 1 will be expanded to include additional items.

Additional deliverables include:

- Storm Drain calculations
- Written response to Contractor's Request for Information (RFI)

The City of Redmond will perform the following tasks:

- Coordinate with the property owners regarding existing and proposed water service improvements.
- Overall Construction Management

SCOPE OF WORK

TASK 1 – MANAGEMENT / COORDINATION / ADMINISTRATION

- 1.1 The duration of the Contract will be extended to include Construction Administration and the additional duration of the project (estimate 3 months for Construction and 4 additional months of design).
- 1.2 Additional monthly progress reports will be prepared for the Construction Administration phase of the project.
- 1.4 The original Scope of Work included up to 3 meetings (including a kick-off meeting). (30%, 60%, and 90% review meetings are included in Task 5.) Thus far, the Consultant has attended 8 meetings on December 5, 2003; December 18, 2003; January 8, 2004; January 23, 2004; March 17, 2004; October 8, 2004; October 18, 2004; and November 9, 2004; for an additional 5 meetings.
- 1.9 Coordination with King County Metro required additional effort to prepare AutoTurn and points drawings to set-up a bus test run, assist in setting up and witnessing the bus test run, and preparing AutoTurn drawings following the test.

TASK 5 – BID DOCUMENTS

- 5.10 *Expanded Limits of Project.* Prepare design for southwest corner of NE 83rd Street and 160th Avenue NE intersection to the property limit at about Station 19+00. In addition, following the 60% design, the project was revised to limit the width of the sidewalk on the north and revise the curb location on the both the north and south side of NE 83rd Street and on 160th Avenue NE.
- 5.11 *Water Design* including abandoning existing water mains and fire hydrants, adding new services, adding fire hydrants, and providing profiles of new services.
- 5.12 *Additional Urban Design.* Additional meetings (included in Task 1.4), full-size mock-ups, colored sketches, and samples of various urban design alternatives were required to fully evaluate the urban design features.
- 5.13 *Additional Surface Water Calculations.* Additional calculations will be completed using the model prepared for the corridor study, comparing the surface water flow from existing conditions compared to existing conditions plus the project. No other modeling will be required.

Deliverables as part of the NE 83rd Street Improvement Project:

- 30%, 60%, 90%, and 100% submittals
- Samples for Urban Design
- Surface Water Calculations

TASK 7 – PARCEL PLANS (RIGHT-OF-WAY)

- 7.1 Supplemental Agreement No. 1 assumed sketches attached to legal descriptions prepared by a licensed land surveyor. However, sketches required by the Real Property Manager require additional effort by the Consultant.

TASK 8 – CONSTRUCTION SUPPORT SERVICES

The Consultant shall support Construction Administration services for the NE 83rd Street Improvements Project as outlined below:

- 8.1 Attend pre-construction conference with the City, Contractor, and affected utilities.
- 8.2 Attend weekly Construction Progress Meetings with the Contractor's representatives and City staff (estimated 12 meetings).
- 8.3 Assist Public Work Department in reviewing Contractor submittals.
- 8.4 Prepare minor change order plans and specifications (estimated 1 change orders) (Major change order identified during construction shall be by additional Supplements to this agreement).
- 8.5 Attend Final Walk-Through and assist in preparation of punch list.

Deliverables:

Items to be provided by the Consultant:

- Written response to Contractor's Request for Information (RFI)

Items to be provided by the City:

- Overall Construction Management
- Contract award
- Processing of pay requests
- RFI lead
- Contract closeout

EXHIBIT C-2

CONSULTANT FEE ESTIMATE

KPG, Inc.

PROJECT: NE 83rd St Improvements (160th Ave NE - 161st Ave NE)

NEGOTIATED HOURLY RATES:

<u>Classification</u>	<u>Hours</u> x	<u>Rate</u>	=	<u>Cost</u>
Senior Engineer	8	x	135.01	\$ 1,080.08
Project Manager	151	x	106.60	\$16,096.60
Design Engineer	231	x	76.00	\$17,556.00
Technician	8	x	62.20	\$ 497.60
Clerical	7	x	55.29	\$ 387.03

TOTAL = \$ 35,617.31

REIMBURSABLES:

Mileage and reproduction = \$ 332.69

SUBCONSULTANT COSTS (See Exhibit D): = \$ 0.00

TOTAL = \$ 35,950.00

CONTINGENCIES: = \$ 3,595.00

GRAND TOTAL: = \$ 39,545.00